

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number
WO 2005/074716 A1

- (51) International Patent Classification⁷: **A23L 1/217**, 1/216, 1/015, A23B 7/06
- (21) International Application Number: PCT/NL2005/000083
- (22) International Filing Date: 4 February 2005 (04.02.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
04075395.6 6 February 2004 (06.02.2004) EP
60/541,940 6 February 2004 (06.02.2004) US
- (71) Applicant (for all designated States except US): **KONINKLIJKE COÖPERATIE COSUN U.A.** [NL/NL]; Oostelijke Havendijk 15, NL-4704 RA Roosendaal (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **SOMSEN, Dirk, Johan** [NL/NL]; Weerdsлаг 67, NL-7206 BT Zutphen (NL). **DE WAELE, Erwin, Theofiel** [BE/BE]; Huybergsebaan 22, B-2910 Essen (BE).
- (74) Agent: **VAN WESTENBRUGGE, Andries et al.**; Nederlands Octrooibureau, P.O. Box 29720, NL-2502 LS The Hague (NL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SELECTIVE WITHDRAWAL OF REDUCING SUGARS DURING BLANCHING

(57) Abstract: The invention relates to a process of producing a food product by heat-treating a food material containing reducing sugars, comprising the step of blanching the food material, wherein the blanching step comprises subjecting the food product to an active blanching medium under blanching conditions in a blanching section to produce spent blanching medium, withdrawing reducing sugars from the spent blanching medium to produce active blanching medium using a sugar-withdrawing means, and reusing the active blanching medium. The process can be performed in one section, or the reducing sugars can be withdrawn in a desugaring section which is separated from the blanching section, recycling the treated active blanching medium to the blanching section. The process can also be applied to withdraw asparagine, or a combination of reducing sugars and asparagine. The sugar-withdrawing means can be a conversion agent capable of withdrawing reducing sugars such as bacteria, yeasts and moulds, in which case the selective withdrawal is called fermentation, and enzymes, or it can be a sorbent capable of selectively adsorbing reducing sugars or asparagine in a chromatographic separation.



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